These are the features (M).

Graphical user interface, application

Description automatically generated

So, USE CASES:

1. Create Animal
2. Get All Animals
3. Get Animal By Id
4. Get Animals By Reg Date
5. Get Animals By Farm
6. Cut Animal into Parts
7. Make Product of Half an Animal
8. Make Product of the same Part Type
9. Get All Products including a certain Animal Registration Id
10. Get All Animals involved in a Product
11. **CREATE ANIMAL**

Created a chicken animal which is sent all the way to the database.

And created two more animals for further use cases. (A pig from Viborg and a chicken from Esbjerg.)

Graphical user interface, text, application, chat or text message

Description automatically generated

1. **GET ALL ANIMALS**Here, you will have to trust me that both chickens and the pig were fetched.Graphical user interface, text, application, chat or text message

   Description automatically generated
2. **GET ANIMAL BY ID**

Our first chicken was retrieved.

Graphical user interface, text, application, chat or text message

Description automatically generated

1. **GET ANIMALS BY DATE**

Since all animals were registered today, they are all fetched.

Graphical user interface, text, application

Description automatically generated

1. **GET ANIMALS BY FARM**

Both the chicken and pig from Viborg are fetched when we request animals from Viborg.

Text, bubble chart

Description automatically generated with medium confidence

1. **CUT ANIMAL**

The response is lengthy, but the chicken is cut into a head, two legs and one breast. (These are the default part types for any animal).

Graphical user interface, text

Description automatically generated

1. **MAKE HALF ANIMAL PRODUCT**  
   The chicken parts are put into a Product object. A “halfAnimal” product is made of 4 animal parts and can be composed of different animals. A Product keeps track of the trays its parts came from and, of course, which animal each part is coming from.  
   Graphical user interface, text

   Description automatically generated

**…**

A picture containing chart

Description automatically generated

1. **CREATE SAME PART TYPE PRODUCT**Before this test, we called the method “cut” again so that more chicken parts would be generated. This was necessary because, as soon as a Product is made, its parts are removed from Trays (so they cannot be used on other products).  
   I should have made it so that you cannot cut the same animal twice. But that was not considered. So you can extract 10 legs out of the same chicken if you cut it five times. Whatever.  
   In this test, we have made a Product with two chicken legs. If more chicken legs were available, the product would have had up to 4 chicken legs. This applies to all type of same-part products.  
   Text

   Description automatically generated with medium confidence
2. **GET ALL PRODUCTS INCLUDING ANIMAL REG NUMBER**  
   All products in which the chicken was involved are fetched (so products number 1 and 2).  
   Text

   Description automatically generated with low confidence
3. **GET ALL ANIMALS IN A PRODUCT**  
   Gets all animals involved in a product. Would have fetched more animals if more animals were involved in the product.  
   Graphical user interface, text, application

   Description automatically generated

Not-sunny scenarios were not tested because I am exhausted and because I did not do any error handling during development.  
Kind regards,

Laura Rebelo :)